

Plastipur® 470 (USA)

PLASTI CHEMIE
Produktionsgesellschaft mbH

Solvent free, highly viscous, elasticized synthetic resin based on aspartic esters for the production of 2-component floor coatings.

Application: Plastipur® 470 is a solvent-free, non-filled and non-pigmented 2-component reaction plastic based on aspartic esters. The product is used indoors and outdoors in layer thickness between 0,04 inch and 0,12 inch for areas with medium mechanical and high chemical load. Due to its extremely high chemical resistance as well as its resistance to softening agents and anti-aging agents, Plastipur® 470 is mainly used as a topcoat for industrial and decorative floor coating systems e.g. In car dealerships and garages.

Characteristics: Coatings manufactured with Plastipur® 470 are tough and have a high abrasion resistance and good self-levelling. Plastipur® 470 is preferably used for self-levelling floorings sprinkled with quartz sand. Trowel on coatings and roll able systems are also possible.

Characteristic data:

Delivery form	transparent, glittering
Viscosity	Component A ca. 250 - 400 mPas
	Component B ca. 1000 - 1.500 mPas
	Mixed viscosity ca. 400 - 700 mPas
Density	9,18 lb/gal 68°F / 50% RH
Shore-Hardness	D 66 - 72
Solid Content	100%
Shelf life	In the original container, closed, dry, cool, frost-free max. 6 months
Bundle	22,04 lb (13,23 lb/8,81 lb)

Processing Notes:

Processing: Let the hardener component B flow completely into the main component A. Mix thoroughly with a slow-rotating stirrer (recommendation: double stirrer with counter-rotating stirrer shafts). Pour into another container and mix again. Prior to application to the substrate, an even, streak-free coating composition must be present. Then the desired filler is intermixed.

The product is poured onto the prepared surface and evenly distributed with a tooth trowel or smoothing trowel.

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The self-levelling coating can also be spread with a toothed blade. Broadcast the fresh coating with the desired coloured quartz sand (approx. 95-119 lb/ft²).

The substrate must be dry, firm, clean, load-bearing and free of separating substances such as greases, oils, etc.

In the case of larger surfaces, care must be taken that time has to be taken to work onto older layers in order to minimize starting traces.

Mixing approach:
Self-levelling 13,23 lb Main Component A
 8,81 lb Hardener Component B
 17,6-22,04 lb Self-Levelling filler

Mixing approach:
Trowel on 13,23 lb Main Component A
 8,81 lb Hardener Component B
 77,16 lb Décor filler S1 - S12

Material consumption:
Self-levelling 0,029 gal/ft²
Trowel on 0,061 gal/ft²

Processing time:
10 - 20 min (86 °F / 50% RH)
20 - 30 min (68 °F / 50% RH)
30 - 40 min (50 °F / 50% RH)

Curing time:
min. 2 - 3 h, max. 6 h (86 °F / 50% RH)
min. 3 - 4 h, max. 10 h (68 °F / 50% RH)
min. 4 - 5 h, max. 12 h (50 °F / 50% RH)

Additional Information:
The material, air and floor temperatures must be measured and must be between 50 °F and 86 °F during the entire installation. It is also important to ensure that the substrate temperature is 37,4 °F above the dew point temperature. The relative humidity must not exceed 80%.

Ensure good ventilation after application and during hardening. The surface must be protected from direct contact with water during the entire hardening phase.

data concerning our products and devices as well as concerning our data and procedures are based on an extensive research work and an application technology experience. We obtain these results, with which we do not take over adhesion going beyond the respective single contract, in word and writing after best knowledge, reserve ourselves we however technical changes in the course of the product

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development. Beyond that our application technology service stands when desired for large consultation as well as for co-operation with the solution manufacturing and application technology problems for order. That does not relieve the user however to examine our data and recommendations before their use responsible for the own use. That applies - particularly for deliveries to foreign markets - also regarding the keeping of patent rights third as well as for applications and procedures, which are not expressly in writing indicated by us. The case of loss our adhesion is limited to indemnifications of same extent, as they plan our general terms of delivery and sales with lack of quality.